



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/593,956 Confirmation No. 4044
Applicant(s) : Hans-Christoph MAGEL
Filed : September 22, 2006
TC/A.U. : 3747
Docket No. : R.307235
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: February 23, 2007

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed before the mailing date of a First Office action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

WO 2005/010342 A1

The invention relates to a fuel injection device (1) comprising an injection valve (9), a line (5), which supplies fuel under high pressure to the injection valve (9) during operation, a control valve (41), which controls the pressure in a control chamber (43) of the injection valve, this control chamber being connected to said line (5), and the moving valve part (51) of the control valve can be actuated by an actuator (31) via a hydraulic coupler (38), which has two plungers (39, 40) that interact with a coupler volume of the coupler. The injection valve also comprises means for filling the coupler volume with pressurized fuel via guide gaps (65,

Application No. 10/593,956
Prior to First Office Action

67) of the plungers (39, 40), whereby the plungers (39, 40) are placed inside one another while being parallel to one another. A translator space (72) is placed at the ends of the plungers (39, 20, 40), said ends facing the actuator (31). A filling space (71-2) is provided inside the outer plunger (39) and is connected to said line (5). One of the plungers (39) is mechanically coupled to the actuator (31) via a rod (61), and the other plunger (40) actuates the control valve (41) via a rod (63), whereby the direction of the closing movement of the moving valve part (51) matches the direction of fuel flowing out of the control chamber (43) so that the control valve is subjected, at least in part, to an equilibrium of forces due to the force acting upon the other plunger (40) inside the translator space (72).

DE 103 33 696 A1

The abstract of this invention is exactly the same as **WO 2005/010342 A1**.

Examination of this application is respectfully requested.

Respectfully submitted,



Ronald E. Greigg

Registration No. 31,517

Attorney for Applicant(s)

GREIGG & GREIGG, P.L.L.C.
1423 Powhatan Street, Suite One
Alexandria, VA 22314

Telephone: 703-838-5500

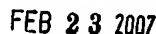
Facsimile: 703-838-5554

Customer No. 02119

REG/qmh

Enclosures

J:\Bosch\R307235\IDS 1.97(b).wpd



Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/593,956
Filing Date	September 22, 2006
First Named Inventor	Hans-Christoph MAGEL
Art Unit	3747
Examiner Name	
Attorney Docket Number	R.307235

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]Date
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). See KIn's Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office² that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.